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Datasheet for 600-401-BS3

HRK Antibody

Overview

Description:	Anti-HRK (RABBIT) Antibody - 600-401-BS3
Item No.:	600-401-BS3
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Hrk, a pro-apoptotic member of the Bcl-2 homology domain-3 (BH3)-only group of the Bcl-2 family of proteins, was also identified as novel protein induced during programmed neuronal death. It lacks significant homology to other Bcl-2 family members except for an 8-amino acid region that is similar to the BH3 motif of Bik. Hrk regulates apoptosis through interaction with the anti-apoptotic proteins Bcl-2 and Bcl-XL via this domain. It does not interact with the pro-apoptotic proteins Bax, Bak, or Bcl-XS. Hrk localizes to mitochondrial membranes in a pattern similar to that previously reported for Bcl-2 and Bcl-XL.
Synonyms:	Hrk Antibody, DP5, HARAKIRI, BID3, Activator of apoptosis harakiri, BH3-interacting domain-containing protein 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HRK
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-HRK antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the internal region of human Hrk.

Purity/Specificity:	Anti-Hrk Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Hrk from other sources has not been determined.
Relevant Links:	• UniProtKB - O00198 • GeneID - 8739 • NCBI - NP_003797

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Hrk Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 10 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:25,000 - 1:100,000
WB:	2.5-5 µg/mL

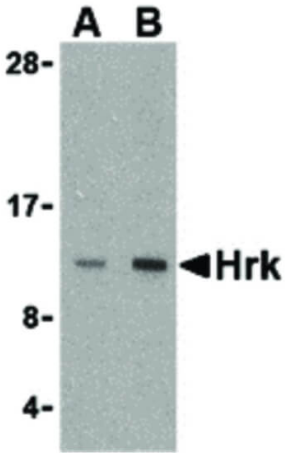
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of HRK antibody in mouse pancreas tissue lysate. Lane A: HRK antibody at 2.5 µg/mL. Lane B: HRK antibody at 5 µg/mL. Load: 35 µg per lane. Primary antibody: HRK antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 10 kDa, 12 kDa for HRK. Other band(s): HRK splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.